SECRET

October 5, 1967
WOH:ga:366

Post Office Box 8031
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Washington, D. C. 20024
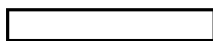
25X1A   Attention:

Subject: Transmittal of Monthly Progress Report (No. 10)

25X1A   Reference: Task Order No. 17

Enclosure: (a) Six (6) Copies of "Tenth Monthly Progress Report
              Covering Period 1 September 1967 through 30 September 1967

Gentlemen:

25X1A   Enclosed find six (6) copies of "Tenth Monthly Progress Report Covering
         Period 1 September 1967 through 30 September 1967" for work performed by
         [   ] on Task Order No. 17 under referenced contract per Specification
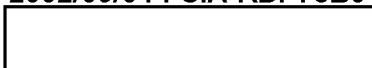   No. DB-1001.

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Very truly yours,

WOH:ga
Enclosures

DECLASS REVIEW by NIMA/DOD

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TENTH MONTHLY PROGRESS REPORT COVERING PERIOD
September 1, 1967 through September 30, 1967

TASK ORDER NO. 17 - [   ]

A. Project Activities During Reporting Period

Work was performed on the following tasks:

IIb - <u>System Description Report</u> - 60% Complete

For reporting purposes, the scope of this task has been expanded
in response to the Center critique of the prepublication issue
of "NPIC IIS System Requirements" (Part I, Volumes 1 and 2) to
include the development of an IIS real-time program to operate
under RUM and to reflect the additional consideration of software
reliability.

Work was initiated on the IIS real-time program and a meeting held
with IPD to review a preliminary method of approach and to obtain
additional data on RUM program characteristics.

Investigation of alternative techniques to improve software
reliability was begun. Preliminary findings indicate that
reliability can be increased by acceptable variations in develop-
ment cost and operational throughput time.

The master copy for Part III, "Informal Memoranda" for Tasks I(1)
through I(o) was delivered.

III - <u>Component Specifications</u> - 60% Complete

For reporting purposes, the scope of this task has been expanded
to include the development of macro-level flow diagrams supplementary
to software general performance specifications.

Draft specifications were prepared for the Verify, Edit, and Approval
(VEA), Data Entry (DEN), Query, Cables, Report Generator, and Target
Prediction computer programs. Development of specifications for the
remaining Automatic Update (AUD), Presentation Language, Scheduling,
and Real-Time 3 programs is well along.

Drafts of macro-level flow diagrams were prepared for DEN, Query,
Target Prediction, Scheduling, AUD, and Real-Time 3 programs.

Draft specifications were prepared for the Installations Data File
(IDF), Objects Data File (ODF), Mobile Target File (MTF), Working
File (W.F.), and Wait List (W.L.). Work was initiated on the
remaining Index, EPDF, and Miscellaneous files.

Draft specifications were prepared for the Teletype Send/Receive Unit. Final draft specifications were prepared for the Editing Console. These two specifications embody the basic data required for preparation of specifications for the remaining hardware components.

IV - <u>System Implementation Plan</u> - 50% Complete

Manpower requirements, schedules, and costs were determined for several alternative system implementation plans. Analysis and evaluation of these plans was coordinated with the Technical Monitor and a decision made to develop a detailed plan which will produce the IDF within a 14 month period including IIS capabilities for real-time query, VEA, automatic update and maintenance of the IDF, presentation generation, and production of mats for 1st Phase reporting.

Percentage of total work completed as of the reporting date is estimated at 87%.

B. <u>Planned Activities</u>

Modification of the IIS system design to provide for an IIS real-time program operating under RUM and the investigation of additional software reliability will be completed.

All software, hardware, and file specifications including supplementary software macro-level flow diagrams will be completed and publication master copy prepared for "Specifications" (Part II, Volumes 1, 2, and 3).

The system implementation plan will be completed and the publication master copy prepared for the "IIS, System Implementation Plan" report.

C. <u>Pending, Unresolved Technical Problems</u>

None.

D. <u>Pending, Unresolved Contractual Problems</u>

None.

E. <u>Oral Agreements on Technical Matters</u>

In view of the deliberations of COMIREX which will have an impact on the form and content of the PI Presentation and Worksheet forms, it was agreed that testing PI Readout using the proposed forms should not be conducted until COMIREX input was available and incorporated in the forms.

Agreement was reached on the specific plan to be developed in detail for system implementation (see Section A, Task IV).

F. Agreements Which Require Contractual Approval

None.

G. Unanswered, Unresolved Matters

Delivery of the Center written critique of the prepublication issue of the report "NPIC IIS System Requirements" (Part I, Volumes 1 and 2) has been rescheduled to the first week in October.

H. Status of Funds

See attachment. Estimates of future expenditures reflect additional costs resulting from rate changes, travel, and new work as presented in [   ] **25X1A** correspondence WOH:ga:335, dated August 28, 1967, WOH:ga:347, dated September 25, 1967, and WOH:347, dated 22 September 1967. These additional costs were orally approved by the customer contracting officer on September 29, 1967.

CLASSIFIED DOCUMENT RECEIPT

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67S232	SECRET	Transmittal of Monthly Progress Report (No. 10) WOH:ga:366

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